

# **Tissue And Organ Transplantation Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Product (Tissue Products, Preservation Solutions, Immunosuppressive Drugs), By Application (Organ Transplantation, Tissue Transplantation), By Region and Competition, 2019-2029F**

<https://marketpublishers.com/r/T0119EA35262EN.html>

Date: July 2024

Pages: 185

Price: US\$ 4,900.00 (Single User License)

ID: T0119EA35262EN

## **Abstracts**

Global Tissue And Organ Transplantation Market was valued at USD 16.25 Billion in 2023 and is anticipated to project steady growth in the forecast period with a CAGR of 8.25% through 2029. The tissue and organ transplantation market plays a vital role in modern medicine, offering life-saving treatments for patients suffering from organ failure, tissue damage, and genetic disorders. This dynamic sector encompasses a wide range of medical procedures, technologies, and therapies aimed at restoring organ function and improving quality of life. As advancements in medical science and technology continue to accelerate, the transplantation market faces both opportunities and challenges in meeting global healthcare needs.

Technological innovations have revolutionized the field of tissue and organ transplantation, enhancing patient outcomes and expanding treatment options. Improved surgical techniques, including minimally invasive procedures and robotic-assisted surgeries, reduce recovery times and post-operative complications for transplant recipients. Advances in immunosuppressive therapies and personalized medicine enable better matching of donor organs to recipients, minimizing the risk of rejection and improving long-term graft survival rates.

The demand for transplantable organs far exceeds the supply, resulting in lengthy

waiting lists and critical shortages worldwide. Factors contributing to this imbalance include aging populations, rising prevalence of chronic diseases such as diabetes and kidney disease, and limited availability of suitable donor organs. Efforts to increase organ donation rates through public awareness campaigns, policy reforms, and advancements in organ preservation technologies are critical to addressing this challenge and reducing waiting times for transplant recipients.

Regulatory frameworks govern organ procurement, transplantation procedures, and ethical considerations surrounding donor consent and patient care. Regulatory bodies such as the United Network for Organ Sharing (UNOS) in the United States and the Eurotransplant International Foundation in Europe establish guidelines for organ allocation, transplant center accreditation, and data management to ensure fair and equitable distribution of donor organs and uphold ethical standards in transplantation practices.

Despite significant progress, tissue and organ transplantation faces several challenges. These include organ shortage, immunological barriers, transplant rejection, complications from immunosuppressive therapies, and the high cost of transplantation procedures and long-term care. Addressing these challenges requires continued investment in research and development, collaboration between healthcare providers and regulatory bodies, and innovative approaches to expand the donor pool and improve transplant outcomes globally.

The future of tissue and organ transplantation holds promise with ongoing research into xenotransplantation (organ transplantation between different species), bioengineering of tissues and organs, and advancements in regenerative medicine and stem cell therapies. Bio-printing technologies are enabling the creation of 3D-printed tissues and organs using patient-specific cells, potentially reducing reliance on donor organs and improving transplant success rates. Moreover, artificial intelligence (AI) and machine learning are being leveraged to enhance organ matching algorithms, predict patient outcomes, and optimize transplant protocols.

## Key Market Drivers

### Increasing Prevalence of Chronic Diseases

The global tissue and organ transplantation market is witnessing significant growth driven by the increasing prevalence of chronic diseases worldwide. Chronic diseases, characterized by prolonged duration and typically slow progression, include conditions

such as end-stage renal disease, cardiovascular diseases, liver cirrhosis, and diabetes mellitus. These conditions often lead to organ failure, necessitating transplantation as a life-saving treatment option for patients who do not respond to other therapies.

According to the data presented by Medscape in 2022, it has been observed that Worldwide, an estimated 152,863 solid organ transplants were performed in 2019. [1] In the United States, 39,000 organ transplantations were performed in 2020. [2] Renal transplants were the most common, followed by those of the liver, heart, lung, and others, including dual organ, pancreatic, and intestinal transplantation. Over the last several decades, the field of solid organ transplantation (SOT) science and practice has advanced significantly, only to be continually challenged by the risks for infection in SOT recipients.

Advancements in surgical techniques, immunosuppressive therapies, and organ preservation methods have significantly improved transplant outcomes and expanded the pool of eligible transplant recipients. Minimally invasive surgical approaches reduce recovery times and improve patient comfort, while innovative organ preservation technologies extend the viability of donor organs, enhancing transplant success rates.

Improvements in healthcare infrastructure and access to specialized transplant centers play a crucial role in meeting the growing demand for transplantation services. Developing countries are investing in transplant infrastructure, medical training, and regulatory frameworks to expand access to transplant procedures and ensure equitable healthcare delivery.

Rising healthcare expenditure, both in developed and emerging economies, supports investment in transplant services, medical technologies, and patient care. Governments and healthcare providers allocate resources to enhance transplant capabilities, improve post-operative care, and address disparities in access to transplantation services based on socioeconomic factors.

### Growing Aging Population

The global tissue and organ transplantation market is poised for significant growth driven by the demographic shift towards an aging population. As life expectancy increases worldwide, so does the prevalence of age-related diseases and conditions that necessitate organ and tissue transplantation. This demographic trend presents both opportunities and challenges for healthcare providers, researchers, and policymakers aiming to meet the growing demand for transplantation services.

Advances in healthcare, nutrition, and lifestyle improvements have contributed to longer life expectancies globally. As populations age, the incidence of chronic diseases such as kidney failure, heart disease, and liver cirrhosis increases, often necessitating organ transplantation as a life-saving intervention. Elderly individuals are more susceptible to age-related conditions that affect organ function and integrity. Chronic conditions such as diabetes, hypertension, and cardiovascular diseases can lead to organ failure over time, necessitating transplantation as a treatment option.

The growing aging population contributes to an escalating demand for organs and tissues suitable for transplantation. This demand underscores the need for expanded donor networks, improved organ preservation techniques, and advancements in transplant technologies to meet clinical needs effectively. The economic burden of age-related diseases and organ failure is substantial, encompassing healthcare expenditures related to treatment, hospitalization, and post-transplant care. Organ transplantation offers a cost-effective alternative to prolonged medical management for end-stage organ failure, enhancing quality of life and reducing long-term healthcare costs.

Ongoing research and innovation in biotechnology and medical devices have facilitated improvements in organ preservation, immunosuppressive therapies, and surgical techniques. Innovations such as 3D printing of organs and tissue engineering hold promise for addressing donor shortages and enhancing transplant outcomes. The expansion of transplantation services necessitates robust regulatory frameworks to ensure patient safety, ethical donor practices, and equitable access to transplantation. Regulatory agencies worldwide play a pivotal role in overseeing clinical trials, approving new therapies, and safeguarding ethical standards in organ procurement and allocation.

## Key Market Challenges

### Shortage of Organs and Tissues

The shortage of organs and tissues represents a formidable challenge in the global tissue and organ transplantation market, impacting millions of patients worldwide awaiting life-saving treatments. This shortage, driven by several complex factors, poses significant barriers to meeting the growing demand for transplantation procedures and improving patient outcomes. One of the primary issues contributing to the shortage is the stark disparity between the demand for transplantable organs and tissues and their availability. According to global health organizations, including the World Health

Organization (WHO) and the Organ Procurement and Transplantation Network (OPTN), the number of patients on waiting lists for organs far exceeds the number of organs available for transplantation each year. This disparity is particularly acute for organs such as kidneys, livers, hearts, and lungs, which are essential for treating end-stage organ failure and life-threatening conditions.

Donor recruitment remains a significant challenge in addressing the shortage of organs and tissues. Organ donation relies heavily on voluntary donors and their families consenting to donate organs after death or, in the case of living donors, donating a portion of their organs such as kidneys or liver segments. Factors influencing donor recruitment include cultural beliefs, religious considerations, public awareness about organ donation, and the sensitivity of end-of-life discussions. Increasing donor registration rates and improving public education about the benefits of organ donation are crucial steps toward expanding the donor pool and alleviating shortages.

Logistical challenges in organ procurement and transportation further exacerbate the shortage issue. Organs must be carefully matched to recipients based on immunological compatibility and transported under strict conditions to ensure viability and safety. This process involves coordination among medical teams, transplant centers, and transportation services, adding complexity and potential delays to the transplantation process. Moreover, ethical considerations surrounding organ allocation, equitable access to transplantation services, and ensuring fair distribution of organs across regions and demographics require careful management and adherence to regulatory guidelines.

Addressing the shortage of organs and tissues requires global collaboration among healthcare providers, policymakers, researchers, and patient advocacy groups. International efforts to harmonize organ procurement practices, improve transplantation infrastructure, and establish ethical guidelines for organ donation and allocation are essential. Governments play a critical role in promoting organ donation awareness campaigns, enhancing transplant infrastructure, and incentivizing healthcare systems to prioritize transplantation as a viable treatment option.

## Key Market Trends

### Advances in Immunotherapy and Immunogenetics

Immunotherapy has emerged as a groundbreaking approach in tissue and organ transplantation by modulating immune responses to promote tolerance and minimize

rejection. Traditional immunosuppressive therapies, while effective, pose risks such as increased susceptibility to infections and long-term organ damage. The development of targeted immunotherapies aims to mitigate these risks by selectively suppressing immune responses against transplanted tissues while preserving overall immune function.

Cutting-edge immunotherapeutic strategies include the use of monoclonal antibodies, immune checkpoint inhibitors, and adoptive cell therapies. These therapies are designed to regulate specific immune pathways involved in rejection reactions, thereby improving graft survival rates and reducing the need for long-term immunosuppression. Advances in precision medicine have enabled personalized approaches to immunotherapy, tailoring treatments based on individual immune profiles and genetic factors.

In March 2024, Researchers at the Wyss Institute at Harvard University and Harvard's John A. Paulson School of Engineering and Applied Sciences (SEAS) have made significant strides in neutrophil therapies. Neutrophils have long been utilized to bolster the immune systems of cancer patients undergoing chemotherapy. However, the novel approach of using neutrophils to directly target cancer itself marks a pioneering advancement. The team developed disc-shaped micropatches attached to neutrophils, enabling these cells to sustain their anti-tumor (N1) state, yielding promising results in mouse models.

Unlike previous methods where stimulatory molecules were loaded into backpacks and delivered into immune cells to activate them, our latest research revealed that simply attaching empty backpacks to neutrophils is sufficient to activate them. This discovery enhances the appeal of this technique as a 'drug-free' cell therapy for cancer.

Immunogenetics plays a crucial role in optimizing donor-recipient matching to minimize immune rejection in transplantation. Genetic compatibility between donors and recipients, particularly in human leukocyte antigen (HLA) systems, influences transplant outcomes significantly. High-resolution HLA typing and advanced genomic sequencing technologies have enhanced the accuracy of matching algorithms, increasing the likelihood of successful transplantations and reducing rejection rates.

Furthermore, innovations in genomics and bioinformatics have facilitated the identification of additional genetic markers beyond HLA, such as minor histocompatibility antigens and cytokine polymorphisms. These markers provide insights into immune responses and help predict individual predispositions to rejection



or tolerance induction post-transplantation.

Several factors drive the integration of immunotherapy and immunogenetics into the tissue and organ transplantation market. Rising demand for transplantation procedures, coupled with shortages in donor organs, underscores the need for strategies that enhance graft survival and expand donor eligibility. Government initiatives and healthcare policies promoting organ donation and transplantation further stimulate market growth and innovation in immunological therapies.

Moreover, increasing investment in biotechnological research and development fosters the discovery of novel immunotherapeutic targets and biomarkers. Collaborations between academic institutions, biotechnology firms, and pharmaceutical companies drive clinical trials and the commercialization of innovative immunological therapies worldwide.

Looking ahead, the convergence of immunotherapy with emerging technologies, such as artificial intelligence and gene editing tools like CRISPR-Cas9, holds transformative potential in optimizing transplant outcomes and advancing precision medicine approaches. These technological synergies are poised to drive further innovations in immunotherapy and immunogenetics, shaping a future where tissue and organ transplantation become safer, more effective, and more accessible worldwide.

## Segmental Insights

### Product Insights

Based on Product, Tissue Products have emerged as the fastest growing segment in the Global Tissue And Organ Transplantation Market in 2023. Advancements in tissue engineering, regenerative medicine, and biotechnology have transformed the landscape of tissue products in transplantation. Innovations such as decellularization techniques, which remove cellular components from donor tissues while preserving structural integrity and bioactivity, enable the development of acellular tissue matrices used in reconstructive surgeries and regenerative therapies. Bioengineering approaches allow for the fabrication of tissue constructs using patient-specific cells and biomaterials, promoting tissue regeneration and minimizing immunological rejection.

Tissue products find applications across multiple medical specialties, including orthopedics, dermatology, ophthalmology, neurology, and plastic surgery. In orthopedic procedures, bone grafts and cartilage implants derived from donor tissues or synthetic

materials facilitate bone healing and joint reconstruction. Dermatological applications involve skin grafts and wound dressings to promote wound closure and tissue regeneration. Corneal transplants restore vision in patients with corneal diseases, while nerve grafts aid in repairing damaged nerves and restoring sensory function.

The tissue and organ transplantation market is expanding globally, driven by increasing healthcare expenditures, advancements in healthcare infrastructure, and rising patient awareness about treatment options. Developed regions such as North America and Europe lead in tissue product adoption, supported by well-established healthcare systems, reimbursement policies, and research institutions. Emerging markets in Asia-Pacific, Latin America, and the Middle East are witnessing rapid growth in transplantation services, driven by improving access to healthcare, rising disposable incomes, and government initiatives to enhance healthcare delivery.

### Application Insights

Based on Application, Organ Transplantation have emerged as the dominating segment in the Global Tissue And Organ Transplantation Market during the forecast period. Organ transplantation remains the definitive treatment for end-stage organ failure, offering patients a chance to regain health, functionality, and quality of life. Whether due to chronic diseases, congenital defects, or acute injuries, organ failure necessitates transplantation when other medical interventions fail to sustain life or function adequately. Kidney transplants, liver transplants, heart transplants, lung transplants, and pancreas transplants are among the most common procedures performed globally.

Advancements in surgical techniques and immunosuppressive therapies have significantly enhanced the success rates of organ transplants. Minimally invasive surgical approaches reduce recovery times and improve patient outcomes, while precise immunosuppressive regimens minimize the risk of organ rejection. These advancements have expanded the eligibility criteria for transplant recipients and increased the longevity of transplanted organs, contributing to the market's growth.

Technological innovations in organ preservation have revolutionized transplantation procedures. Methods such as hypothermic machine perfusion and normothermic organ preservation allow organs to be maintained outside the body for longer periods, optimizing organ viability and transplant success. These advancements have mitigated logistical challenges associated with organ transportation and expanded the geographic reach of transplant centers.



## Regional Insights

Based on Region, North America have emerged as the dominating region in the Global Tissue And Organ Transplantation Market in 2023. North America boasts a network of specialized transplant centers equipped with state-of-the-art facilities and highly skilled healthcare professionals. These centers offer comprehensive care spanning organ procurement, transplantation surgeries, post-operative management, and long-term follow-up, ensuring optimal patient outcomes.

The region leads in technological innovation across various facets of transplantation medicine, including organ preservation techniques, immunosuppressive therapies, and regenerative medicine. Advanced medical devices, precision medicine approaches, and digital health technologies enhance treatment efficacy and patient safety.

North America hosts some of the world's leading research institutions, universities, and academic medical centers dedicated to transplantation research. These institutions drive innovation through collaborative research endeavors, clinical trials, and interdisciplinary approaches that advance understanding and treatment of transplant-related diseases.

Robust investment in biomedical research and biotechnology innovation fuels R&D efforts in transplantation. Government funding, private sector investments, and philanthropic initiatives support breakthrough discoveries, technology transfer, and commercialization of novel therapies.

## Key Market Players

Artivion, Inc

Folio Biosciences LLC

Arthrex, Inc.

Abbvie Inc.

Zimmer Biomet Holdings, Inc.

India Medtronic Private Limited

Novartis AG

Stryker Corporation

BiolifeSolutions Inc.

Teva Pharmaceutical Industries Ltd.

### Report Scope:

In this report, the Global Tissue And Organ Transplantation Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

#### Tissue And Organ Transplantation Market, By Product:

- o Tissue Products
- o Preservation Solutions
- o Immunosuppressive Drugs

#### Tissue And Organ Transplantation Market, By Application:

- o Organ Transplantation
- o Tissue Transplantation

#### Tissue And Organ Transplantation Market, By Region:

- o North America

United States

Canada

Mexico

o Europe

France

United Kingdom

Italy

Germany

Spain

o Asia Pacific

China

India

Japan

Australia

South Korea

o South America

Brazil

Argentina

Colombia

o Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Tissue And Organ Transplantation Market.

Available Customizations:

Global Tissue And Organ Transplantation Market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

## Contents

### **1. PRODUCT OVERVIEW**

- 1.1. Market Definition
- 1.2. Scope of the Market
  - 1.2.1. Markets Covered
  - 1.2.2. Years Considered for Study
  - 1.2.3. Key Market Segmentations

### **2. RESEARCH METHODOLOGY**

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

### **3. EXECUTIVE SUMMARY**

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, Trends

### **4. IMPACT OF COVID-19 ON GLOBAL TISSUE AND ORGAN TRANSPLANTATION MARKET**

### **5. GLOBAL TISSUE AND ORGAN TRANSPLANTATION MARKET OUTLOOK**

- 5.1. Market Size & Forecast
  - 5.1.1. By Value
- 5.2. Market Share & Forecast
  - 5.2.1. By Product (Tissue Products, Preservation Solutions, Immunosuppressive Drugs)
  - 5.2.2. By Application (Organ Transplantation, Tissue Transplantation)

- 5.2.3. By Region
- 5.2.4. By Company (2023)
- 5.3. Market Map

## **6. ASIA PACIFIC TISSUE AND ORGAN TRANSPLANTATION MARKET OUTLOOK**

- 6.1. Market Size & Forecast
  - 6.1.1. By Value
- 6.2. Market Share & Forecast
  - 6.2.1. By Product
  - 6.2.2. By Application
  - 6.2.3. By Country
- 6.3. Asia Pacific: Country Analysis
  - 6.3.1. China Tissue And Organ Transplantation Market Outlook
    - 6.3.1.1. Market Size & Forecast
      - 6.3.1.1.1. By Value
    - 6.3.1.2. Market Share & Forecast
      - 6.3.1.2.1. By Product
      - 6.3.1.2.2. By Application
  - 6.3.2. India Tissue And Organ Transplantation Market Outlook
    - 6.3.2.1. Market Size & Forecast
      - 6.3.2.1.1. By Value
    - 6.3.2.2. Market Share & Forecast
      - 6.3.2.2.1. By Product
      - 6.3.2.2.2. By Application
  - 6.3.3. Australia Tissue And Organ Transplantation Market Outlook
    - 6.3.3.1. Market Size & Forecast
      - 6.3.3.1.1. By Value
    - 6.3.3.2. Market Share & Forecast
      - 6.3.3.2.1. By Product
      - 6.3.3.2.2. By Application
  - 6.3.4. Japan Tissue And Organ Transplantation Market Outlook
    - 6.3.4.1. Market Size & Forecast
      - 6.3.4.1.1. By Value
    - 6.3.4.2. Market Share & Forecast
      - 6.3.4.2.1. By Product
      - 6.3.4.2.2. By Application
  - 6.3.5. South Korea Tissue And Organ Transplantation Market Outlook
    - 6.3.5.1. Market Size & Forecast



- 6.3.5.1.1. By Value
- 6.3.5.2. Market Share & Forecast
  - 6.3.5.2.1. By Product
  - 6.3.5.2.2. By Application

## **7. EUROPE TISSUE AND ORGAN TRANSPLANTATION MARKET OUTLOOK**

- 7.1. Market Size & Forecast
  - 7.1.1. By Value
- 7.2. Market Share & Forecast
  - 7.2.1. By Product
  - 7.2.2. By Application
  - 7.2.3. By Country
- 7.3. Europe: Country Analysis
  - 7.3.1. France Tissue And Organ Transplantation Market Outlook
    - 7.3.1.1. Market Size & Forecast
      - 7.3.1.1.1. By Value
    - 7.3.1.2. Market Share & Forecast
      - 7.3.1.2.1. By Product
      - 7.3.1.2.2. By Application
  - 7.3.2. Germany Tissue And Organ Transplantation Market Outlook
    - 7.3.2.1. Market Size & Forecast
      - 7.3.2.1.1. By Value
    - 7.3.2.2. Market Share & Forecast
      - 7.3.2.2.1. By Product
      - 7.3.2.2.2. By Application
  - 7.3.3. Spain Tissue And Organ Transplantation Market Outlook
    - 7.3.3.1. Market Size & Forecast
      - 7.3.3.1.1. By Value
    - 7.3.3.2. Market Share & Forecast
      - 7.3.3.2.1. By Product
      - 7.3.3.2.2. By Application
  - 7.3.4. Italy Tissue And Organ Transplantation Market Outlook
    - 7.3.4.1. Market Size & Forecast
      - 7.3.4.1.1. By Value
    - 7.3.4.2. Market Share & Forecast
      - 7.3.4.2.1. By Product
      - 7.3.4.2.2. By Application
  - 7.3.5. United Kingdom Tissue And Organ Transplantation Market Outlook

#### 7.3.5.1. Market Size & Forecast

##### 7.3.5.1.1. By Value

#### 7.3.5.2. Market Share & Forecast

##### 7.3.5.2.1. By Product

##### 7.3.5.2.2. By Application

## **8. NORTH AMERICA TISSUE AND ORGAN TRANSPLANTATION MARKET OUTLOOK**

### 8.1. Market Size & Forecast

#### 8.1.1. By Value

### 8.2. Market Share & Forecast

#### 8.2.1. By Product

#### 8.2.2. By Application

#### 8.2.3. By Country

### 8.3. North America: Country Analysis

#### 8.3.1. United States Tissue And Organ Transplantation Market Outlook

##### 8.3.1.1. Market Size & Forecast

###### 8.3.1.1.1. By Value

##### 8.3.1.2. Market Share & Forecast

###### 8.3.1.2.1. By Product

###### 8.3.1.2.2. By Application

#### 8.3.2. Mexico Tissue And Organ Transplantation Market Outlook

##### 8.3.2.1. Market Size & Forecast

###### 8.3.2.1.1. By Value

##### 8.3.2.2. Market Share & Forecast

###### 8.3.2.2.1. By Product

###### 8.3.2.2.2. By Application

#### 8.3.3. Canada Tissue And Organ Transplantation Market Outlook

##### 8.3.3.1. Market Size & Forecast

###### 8.3.3.1.1. By Value

##### 8.3.3.2. Market Share & Forecast

###### 8.3.3.2.1. By Product

###### 8.3.3.2.2. By Application

## **9. SOUTH AMERICA TISSUE AND ORGAN TRANSPLANTATION MARKET OUTLOOK**

### 9.1. Market Size & Forecast

- 9.1.1. By Value
- 9.2. Market Share & Forecast
  - 9.2.1. By Product
  - 9.2.2. By Application
  - 9.2.3. By Country
- 9.3. South America: Country Analysis
  - 9.3.1. Brazil Tissue And Organ Transplantation Market Outlook
    - 9.3.1.1. Market Size & Forecast
      - 9.3.1.1.1. By Value
    - 9.3.1.2. Market Share & Forecast
      - 9.3.1.2.1. By Product
      - 9.3.1.2.2. By Application
  - 9.3.2. Argentina Tissue And Organ Transplantation Market Outlook
    - 9.3.2.1. Market Size & Forecast
      - 9.3.2.1.1. By Value
    - 9.3.2.2. Market Share & Forecast
      - 9.3.2.2.1. By Product
      - 9.3.2.2.2. By Application
  - 9.3.3. Colombia Tissue And Organ Transplantation Market Outlook
    - 9.3.3.1. Market Size & Forecast
      - 9.3.3.1.1. By Value
    - 9.3.3.2. Market Share & Forecast
      - 9.3.3.2.1. By Product
      - 9.3.3.2.2. By Application

## **10. MIDDLE EAST AND AFRICA TISSUE AND ORGAN TRANSPLANTATION MARKET OUTLOOK**

- 10.1. Market Size & Forecast
  - 10.1.1. By Value
- 10.2. Market Share & Forecast
  - 10.2.1. By Product
  - 10.2.2. By Application
  - 10.2.3. By Country
- 10.3. MEA: Country Analysis
  - 10.3.1. South Africa Tissue And Organ Transplantation Market Outlook
    - 10.3.1.1. Market Size & Forecast
      - 10.3.1.1.1. By Value
    - 10.3.1.2. Market Share & Forecast

- 10.3.1.2.1. By Product
- 10.3.1.2.2. By Application
- 10.3.2. Saudi Arabia Tissue And Organ Transplantation Market Outlook
  - 10.3.2.1. Market Size & Forecast
    - 10.3.2.1.1. By Value
  - 10.3.2.2. Market Share & Forecast
    - 10.3.2.2.1. By Product
    - 10.3.2.2.2. By Application
- 10.3.3. UAE Tissue And Organ Transplantation Market Outlook
  - 10.3.3.1. Market Size & Forecast
    - 10.3.3.1.1. By Value
  - 10.3.3.2. Market Share & Forecast
    - 10.3.3.2.1. By Product
    - 10.3.3.2.2. By Application

## **11. MARKET DYNAMICS**

- 11.1. Drivers
- 11.2. Challenges

## **12. MARKET TRENDS & DEVELOPMENTS**

- 12.1. Recent Developments
- 12.2. Product Launches
- 12.3. Mergers & Acquisitions

## **13. GLOBAL TISSUE AND ORGAN TRANSPLANTATION MARKET: SWOT ANALYSIS**

## **14. PORTER'S FIVE FORCES ANALYSIS**

- 14.1. Competition in the Industry
- 14.2. Potential of New Entrants
- 14.3. Power of Suppliers
- 14.4. Power of Customers
- 14.5. Threat of Substitute Product

## **15. COMPETITIVE LANDSCAPE**

- 15.1. Artivion, Inc
  - 15.1.1. Business Overview
  - 15.1.2. Company Snapshot
  - 15.1.3. Products & Services
  - 15.1.4. Financials (As Reported)
  - 15.1.5. Recent Developments
- 15.2. Folio Biosciences LLC
- 15.3. Arthrex, Inc.
- 15.4. Abbvie Inc.
- 15.5. Zimmer Biomet Holdings, Inc.
- 15.6. India Medtronic Private Limited
- 15.7. Novartis AG
- 15.8. Stryker Corporation
- 15.9. BiolifeSolutions Inc.
- 15.10. Teva Pharmaceutical Industries Ltd.

## **16. STRATEGIC RECOMMENDATIONS**

## **17. ABOUT US & DISCLAIMER**

## I would like to order

Product name: Tissue And Organ Transplantation Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Product (Tissue Products, Preservation Solutions, Immunosuppressive Drugs), By Application (Organ Transplantation, Tissue Transplantation), By Region and Competition, 2019-2029F

Product link: <https://marketpublishers.com/r/T0119EA35262EN.html>

Price: US\$ 4,900.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/T0119EA35262EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:

Last name:

Email:

Company:

Address:

City:

Zip code:

Country:

Tel:

Fax:

Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>



To place an order via fax simply print this form, fill in the information below  
and fax the completed form to +44 20 7900 3970